Page 1

August 21, 2009 10:17:29 AM

Item ID:

D3075-1

Accept

Setup Start

Stop



Revision ID: Item Name:

В R44 Bearpaw

8/21/09

Start Qty: 8.00

Req'd Qty: 8.00



Cust Item ID: Customer:

Reference:

Start Date:

Approvals:

Process Plan: CZ

QC: ____ Date: ____ SPC (Y/N):

Date: 09/08/2) Tooling:

Date:

Run Start

Reject

Qty

Stop

Sequence ID/ **Work Center ID**

Required Date: 8/31/09

Operation **Description** Set Up/ **Run Hours** Draw Number

Draw Plan Code Rev.

Accept Qty

 $\mathcal{S}_{\mathbb{F}}$

Reject Number

Stamp

Draw Nbr

Revision Nbr

D3075 Rev B

110

FLOW CNC Waterjet

FLOW WATER JET

Waterjet

Memo

0.00

0.00

CUT BLANK AS PER FILE D3075-1 BLANK

9-8-26

120

HAAS 1

HAAS CNC VERTICAL MACHINING #1

Memo

0.00

0.00

HAAS CNC vertical machine #1

Note: (2) Bearpaw for (1) Kit U1-Inspect material for defects or damage prior to machining D2-Machine as per Folio FA185 and Dwg D3076Identify as D3075-

11.13-Deburr

130

QC2- Inspect parts off machine FAI/FAIB

0.00

QC

Memo

0.00

Quality Control

W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
									-
		1							
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	
		solution:							
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	n B Sign Date	& Sect	cation ion C	Approval Chief Eng	Approva QC Inspecto
		1							
		:							

NOTE: Date & initial all entries

W/O: _		WORK ORDE	R CHANGES			/	Ł
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
		•				·	
Part No	: <u>D 307</u> :	5 - PAR #: Fault Category: <u>เม็ดเป็น</u> เ	ed ponts NCR:	es No Do	QA: <u>/</u>	<i>~</i> 1	05-25-05
		acceptable /use as is.	Q	A: N/C Clos	ed: <u> </u>	👱 Date: 🛚	5.05-05

NCR: 5	1408	W	ORK OR	DER NON-CONFORMANCE	(NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
09.08.31	120	Slight curve in making. Thickness at afterd is	P	Acceptable, Remaining thicknesses are ox. Malerial sternage is acceptable.	J.A	TTP	q	
		Thickness et aftend is		thicknesses are ox.	09/08/31		09,08.31	//
		0,916",	07,08.3/	Moderial Sternyo :s accequate.	1 191	09/09/01	per	69.08.31
		R.C. Historial Charles slight	05/042			,	45/072	
		cure on I part only.						
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NOTE: Date & initial all entries

Page 2

August 21, 2009 10:17:29 AM

Item ID:

D3075-1

Revision ID: В

Item Name: R44 Bearpaw

Start Date:

8/21/09

Start Qty: 8.00

Required Date: 8/31/09



Accept



Setup Start

Stop



Req'd Qty: 8.00

Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

Date: _____ Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Number

Date:

Rev.

Run

Start



Stop

Sequence ID/ Work Center ID

140

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Memo

QC: ____ Date: ___

0.00

0.00 DAP 09/09/01 (=

Draw Draw

Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

150

Packaging

Packaging

Identify as per dwg & Stock Location:

51000

0.00

0.00

/c9/9/4 (10)

160

QC21- Final Inspection - Work Order Release

0.00

QC Quality Control

Memo

0.00

Dart Aerospace Ltd	Dar	t Ae	rosp	ace	Ltc
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W/O:	Ì		WORK ORDER CH							
DATE	STEP	P	ROCEDURE CHAI	NGE	Ву	,	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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			*							
		!								
		1								
Part No	:	PAR #:	Fault Cate	Jory:	_ NCR: Y	es N	o DQ	A:	_ Date: _	
	Re	esolution:	Disposition	n:	QA: N/0	Clos	sed:		Date: _	
NCR:		!	WORK ORDE	R NON-CONFORM	ANCE (N	CR)				
DATE	STEP	Description of NC	<u> </u>		tion B		Verific	cation	Approval	Approval
	O.L.	Section A	Initial Chief Eng	Action Description Chief Eng		gn & ate	Secti	on C	Chief Eng	QC Inspector
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NOTE: Date & initial all entries

H:\fF@RMS\Quality Assurance\approved QA\NCRWO RevE

Picklist Print

August 21, 2009 10:17:29 AM

Work Order ID: 51408

Parent Item:

D3075-1RevB

Parent Item Name: R44 Bearpaw

Comments:



Start Date: 8/21/09

Required Date: 8/31/09

Start Qty: 8.00

Required Qty: 8.00

B 9-8-26

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Item Name	Item ID	Purch	Item	Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued	Issued	
MUHMWB10		Purchased	No		. The street of the decorate	100	sf	392.9220	8.0000	Committee and the second	^	

UHMW 1" Black

		1

Warehouse Location	Loc Qty	Loc Code	
Main Warehouse			
Main warehouse			
MAT	271.812		
112186	271.812		112186 X3
Main Warehouse	18 1 19 18 1 C		
ST	121.11		
108762	18		108762X7
109186	5		<u> </u>
110520	8		
110721	24		
111354	66.11		

Dart Aerospace Ltd	Dart	Aer	ospa	ıce	Ltc	ı
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W/O:		:		WO	RK ORDER CHAN	GES					
DATE	STEP).	PRO	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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		,									
		!									
Part No	:		PAR #:	Fault Categ	ory:	NCI	R: Yes	No DQ	A :	Date: _	
•					•						
NCR:				WORK ORDE	R NON-CONFORM	IANCE	(NCR)			
DATE	STEP		Description of NC			ction B		Verific	cation	Approval	Approval
DAIL	SIEF		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti		Chief Eng	QC Inspector
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NOTE: Date & initial all entries

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DART AEROSPACE LTD	Work Order:	51408
Description: R44 Bearpaw	Part Number:	D3075-1
Inspection Dwg: D3075 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototyp
	First Article	Prototyp

Inspection Sheet Drawing Dimension		Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Α	0.07 x 45°	+0.030/-0.010	0.060045	V			
В	0.63	+/-0.030	0.628	/			
С	0.250	+/-0.010	0.251	V			
D	0.950	+0.030/-0.010	0.955	/			
E	5.50	+/-0.030	5.508	/			
F	0.25 x 45°	+/-0.030	0.270x45°	レ			
G	0.900	+/-0.010	0.895	>			
Н	0.375	+/-0.010	0.374	✓			
I	1.30	+/-0.030	1.300	V			
J	5.70	+/-0.030	5.70	V			
K	0.37	+/-0.030	0.377	V			
L	3.600	+/-0.010	3.604				
М	0.260	+0.005/-0.000	0.260	/			
N	0.93	+/-0.030	0.930	\			
0	0.30	+0.030/-0.000	0.307	/			0
Р	1.08 0.94	+/-0.030	0.935	\/			0/09.08137
Q	5.870	+/-0.010	5.870	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
R	10.14	+/-0.030	10.14	\			
5	7.250	±0.010	7.250	/			905.48,71

Measured by: DA Audited by: DA Prototype Approval: N/A

Date: 09 08 29

Date: 09 69 60

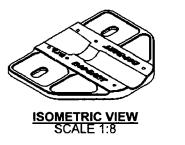
Date: N/A

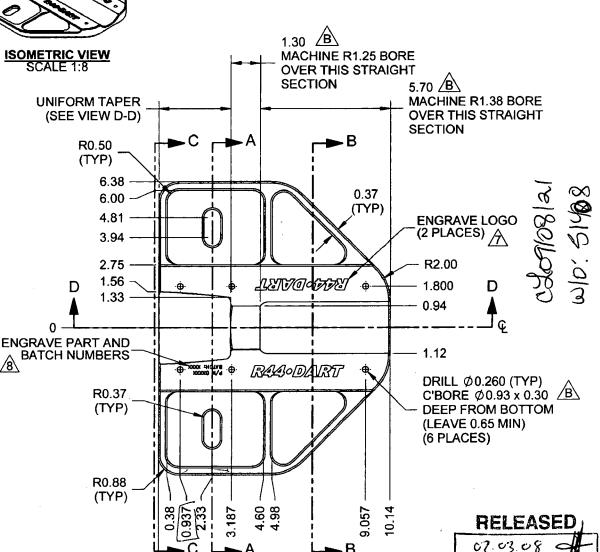
Rev	Date	Change /	Revised by	Approved
Α	04.01.13	New Issue P/O D044-662-011	KJ/RF	
В	08.01.16	Dwg Rev updated	KJ/EC/DD	





1.30 WAS 1.60; 5.70 WAS 5.84; ϕ 0.93 WAS ϕ 0.75; ADD QTY(2) HOLES AT (0.937, \pm 1.800)





07.02.27

Α

В

D3075-1 BEARPAW

1) MATERIAL: UHMW BLACK PER SPEC CONTROL DRAWING D2689, 1.00 THICK (MACHINE TO 0.950)

2) FINISH: NONE

3) PART IS SYMMETRIC ABOUT &

- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

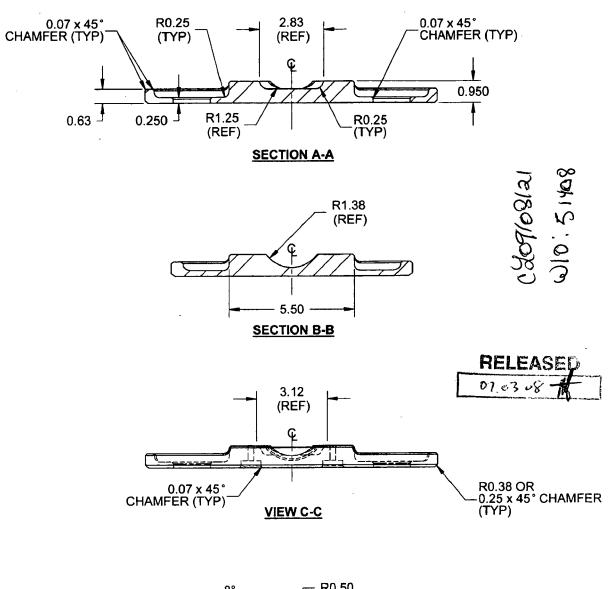
6) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX

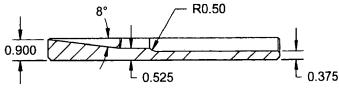
- 7) ENGRAVE LOGO TO MAX DEPTH OF 0.012 AT LOCATION SHOWN
- 8) ENGRAVE PART AND BATCH NUMBERS TO MAX DEPTH OF 0.010 AT LOCATION SHOWN

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DESIGN DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO.	REV. B SHEET 2 OF 2	
DATE 07	.02.27	R44 BEARPAW	SCALE 1:4	





SECTION D-D